

### WHAT IS CLAIMED IS:

1. A method for generating a musical file which provides a plurality of events to be played, comprising the steps of:

(A) recording a relative time to a time field;

5 (B) recording an event corresponding to the relative time to an event field;

(C) determining whether events corresponding to the relative time are recorded completely, and if not, executing step (B);

10 (D) determining whether all events are recorded completely, and if not, executing step (A); and

(E) outputting the musical file.

2. The method as claimed in claim 1, wherein the time field has a record format met with an SMF (standard MIDI format).

15 3. The method as claimed in claim 1, wherein the event field has a record format met with an SMF.

4. The method as claimed in claim 1, wherein the time field has a record format met with an SMAF (synthetic music mobile application format).

20 5. The method as claimed in claim 1, wherein the event field has a record format met with an SMAF.

6. A method for playing a musical file which includes time fields and event fields, wherein each time field corresponds to at least one event field, the method comprising the steps of:

(A) reading the musical file;

(B) determining a time field's length of the musical file;

(C) decoding the time field based on the time field's length, thus obtaining a relative time's length represented by the time field;

(D) decoding an event field corresponding to the time field, thus  
5 obtaining a corresponding music playback event;

(E) determining whether events corresponding to the time field are decoded completely, and if not, executing step (D); and

(F) playing music according to the relative time's length and the music playback event corresponding to one or more event fields, and  
10 subsequently executing step (B) until the musical file ends.

7. The method as claimed in claim 6, wherein the time field has a record format met with an SMF.

8. The method as claimed in claim 6, wherein the event field has a record format met with an SMF.

15 9. The method as claimed in claim 6, wherein the time field has a record format met with an SMAF.

10. The method as claimed in claim 6, wherein the event field has a record format met with an SMAF.

11. A computer-readable media storing a musical file for use in an  
20 information device, the musical file comprising a plurality of time fields and event fields arranged in a series, wherein a time field is followed by one or a plurality of event fields corresponding to the time field, and the plurality of event fields represent a plurality of music playback events occurred in the same time.